

# Converting Colors

XYZ(41.2705, 57.2006, 72.4358)

Have a look what the booklet for  
XYZ(41.2705, 57.2006, 72.4358)  
contains.

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# Color

**XYZ(41.2335, 57.0726,  
72.4612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58DAD6
RGB	88, 218, 214
RGB Percent	35%, 85%, 84%
CMY	0.6549, 0.1451, 0.1608
CMYK	0.60, 0.00, 0.02, 0.15
HSL	178°, 64%, 60%
HSV	178°, 60%, 85%
XYZ	41.2335, 57.0726, 72.4612
YIQ	178.6740, -76.1960, -28.8040

# Conversions

## Conversions Part 2

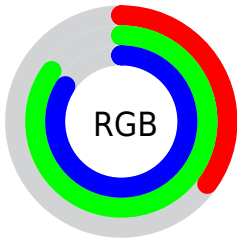
Format	Color
<a href="#">RYB</a>	<a href="#">88, 154, 218</a>
Decimal	<a href="#">5823190</a>
CIELab	<a href="#">80.22, -36.24, -8.72</a>
CIELCh	<a href="#">80, 37.270, 193.525</a>
Yxy	<a href="#">57.0726, 0.2415, 0.3342</a>
Android (android.graphics.Color)	<a href="#">4284013270 (0xFF58DAD6)</a>
YUV	<a href="#">178.6740, 17.4157, -79.5211</a>
Hunter-Lab	<a href="#">75.5464, -34.7803, -3.9862</a>

# Details

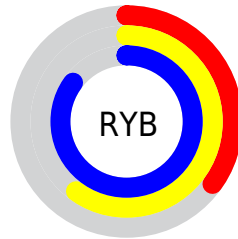
The XYZ color **41.2335, 57.0726, 72.4612** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **34.3369, 22.6593, 12.6910**, and the grayscale version is **42.6153, 44.8346, 48.8249**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **19.1783, 28.3439, 37.2610** is the 20% darker color. If you saturate the color by 10%, you get **39.3852, 56.1310, 71.9294**, and if you desaturate by 10%, it is **43.7024, 58.3367, 73.0264**.

# Distribution



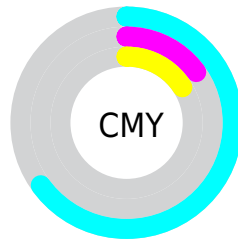
- Red (35%)
- Green (85%)
- Blue (84%)



- Red (35%)
- Yellow (60%)
- Blue (85%)



- Cyan (60%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)




- Cyan (65%)
- Magenta (15%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2335, 57.0726, 72.4612 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 41.2335, 57.0726, 72.4612 by changing the saturation by 10% instead.




 41.2335, 57.0726,  
72.4612


 41.2335, 57.0726,  
72.4612


342.3415,  
413.7213, 488.1659


 28.6901, 41.0635,  
53.0464


 76.3107, 100.5711,  
124.4258

 18.9896, 28.3687,  
37.4518


 99.5752, 128.8293,  
157.8127

 11.7667, 18.6038,  
25.2590


 127.1440,  
161.9394, 196.6940

 6.6561, 11.3843,  
16.0493

 159.3826,  
200.2857, 241.4883

 3.2924, 6.3260,  
9.4043

196.6563,  
244.2527, 292.6141

 1.3102, 3.0443,  
4.9054

239.3304,

 0.1908, 1.1549,

294.2247, 350.4899

2.1341

287.7704,  
350.5861, 415.5343

■ 0.0000, 0.0244,  
0.6360

■ 0.0000, 0.0000,  
0.0000

■ 41.2335, 57.0726,  
72.4612

■ 41.2335, 57.0726,  
72.4612

■ 39.3852, 56.1310,  
71.9294

■ 43.7024, 58.3367,  
73.0264

■ 38.0956, 55.4760,  
71.4243


■ 46.8366, 59.9425,  
73.6234


■ 37.2989, 55.0751,  
70.9442

■ 50.6828, 61.9153,  
74.2554


■ 36.8801, 54.8689,  
70.4835


■ 55.2817, 64.2761,  
74.9246


 36.8669, 54.8625,  
70.4667

 60.6713, 67.0444,  
75.6327

 66.8867, 70.2384,  
76.3812

 73.9611, 73.8753,  
77.1718

 79.1474, 76.5387,  
77.8759

 79.2361, 76.5742,  
78.3433

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.3960, 57.0726, 51.0057



41.2335, 57.0726, 72.4612



44.3183, 57.0726, 95.6780

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.2335, 57.0726, 72.4612



64.9531, 57.0726, 97.7248



58.4996, 57.0726, 30.0109

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



41.2335, 57.0726, 72.4612



34.3369, 22.6593, 12.6910

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.5551, 57.0726, 37.5316



41.2335, 57.0726, 72.4612



69.5125, 57.0726, 74.7924

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.2335, 57.0726, 72.4612



57.7384, 57.0726, 112.4047



69.7426, 57.0726, 52.8528



50.8970, 57.0726, 29.6688

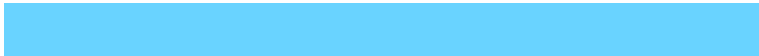


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.2335, 57.0726, 72.4612



47.9841, 57.0726, 107.6766



69.7426, 57.0726, 52.8528



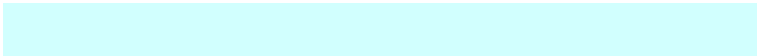
61.0298, 57.0726, 31.6862

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41.2352, 57.0748, 72.4626



79.9061, 92.2192, 107.0081



31.2816, 53.1422, 17.8426



16.6561, 19.5091, 22.8424



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.2352, 57.0748, 72.4626



55.5412, 79.7360, 102.3704



28.7947, 31.3656, 70.8687



13.4267, 14.8223, 16.7097



22.0940, 32.8702, 42.2561



1.4369, 2.1317, 2.7669



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.3369, 22.6593, 12.6910



44.8602, 26.3541, 9.7533



41.3718, 37.0018, 14.1954



13.0722, 13.0580, 13.6415



17.3514, 8.9416, 0.9647

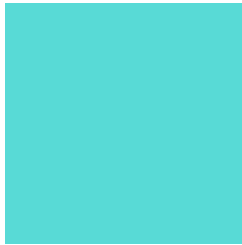


1.1300, 0.5816, 0.0933



# Previews

## White Background



This preview shows how the XYZ color 41.2335, 57.0726, 72.4612 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

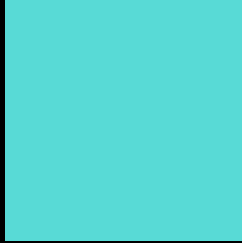
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2335, 57.0726, 72.4612 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

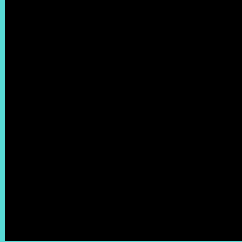
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

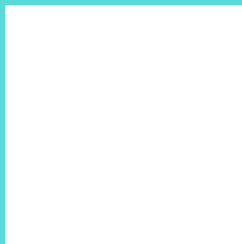
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 41.2335, 57.0726, 72.4612

## Background



This preview shows how black text looks on a background with the XYZ color 41.2335, 57.0726, 72.4612.



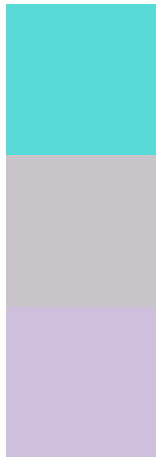
This preview shows how white text looks on a background with the XYZ color 41.2335, 57.0726,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

41.2335, 57.0726, 72.4612

### Protanopia

54.1020, 55.9763, 63.2114

### Deuteranopia

57.2215, 55.9884, 75.5011



## Tritanopia

43.8323, 56.9709, 85.7771

# Trichromacy



## Original Color

41.2335, 57.0726, 72.4612



## Protanomaly

47.0315, 55.0129, 66.5322



## Deuteranomaly

48.6458, 54.6218, 74.3088



## Tritanomaly

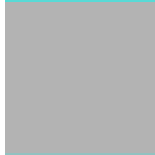
42.7975, 56.9299, 80.6844

# Monochromacy



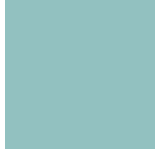
## Original Color

41.2335, 57.0726, 72.4612



## Achromatopsia

42.8472, 45.0786, 49.0906



## Achromatomaly

40.4385, 48.0567, 57.0137

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2335, 57.0726, 72.4612 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(88, 218, 214)` looks like.

```
.text, #text, p{  
    color:rgb(88, 218, 214)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(88, 218, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 218, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2335, 57.0726, 72.4612 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(88, 218, 214) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(88, 218, 214) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(88, 218, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 218, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 218, 214);  
box-shadow:4px 4px 4px 4px rgb(88, 218,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2335, 57.0726, 72.4612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 218, 214) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(88, 218,  
214) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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